

FIG. 1

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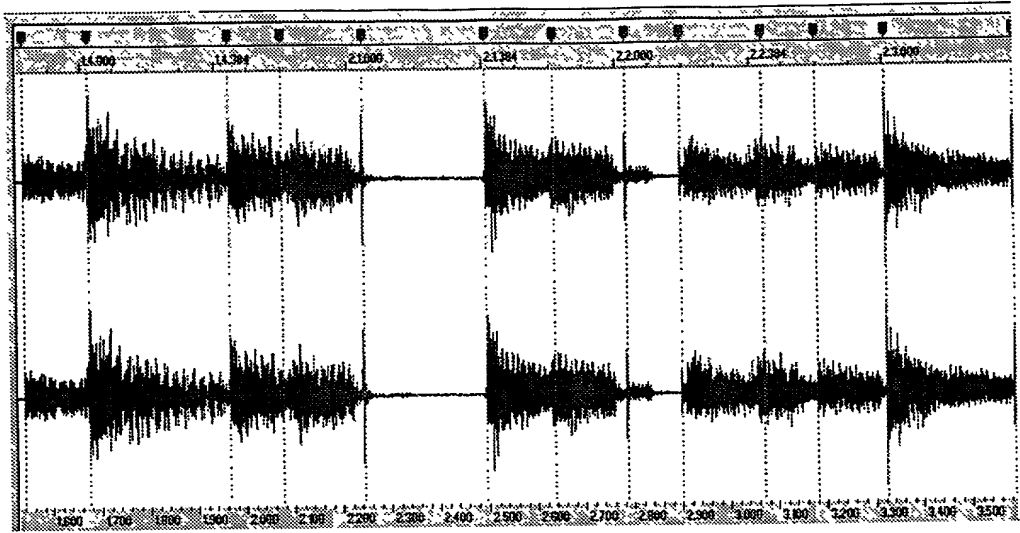


FIG. 2A

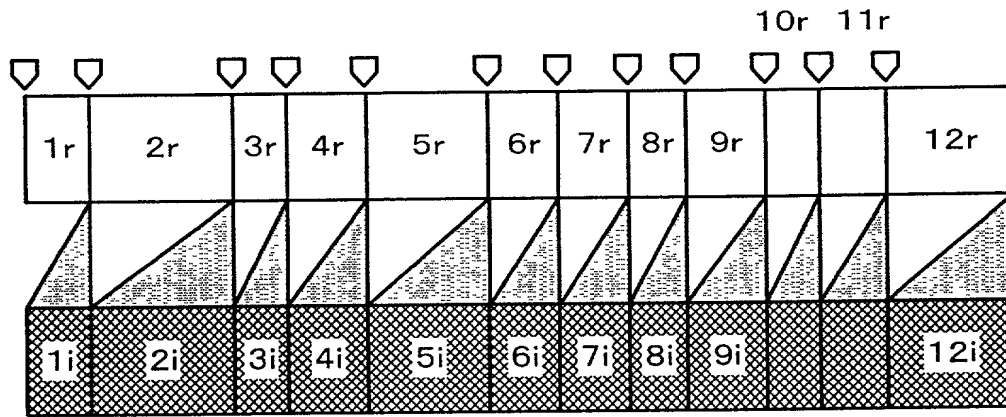


FIG. 2B

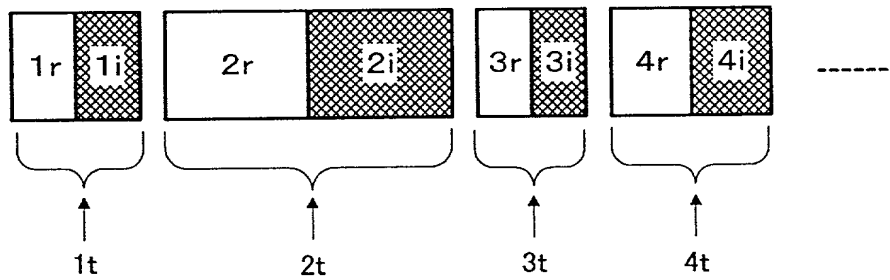


FIG. 2C

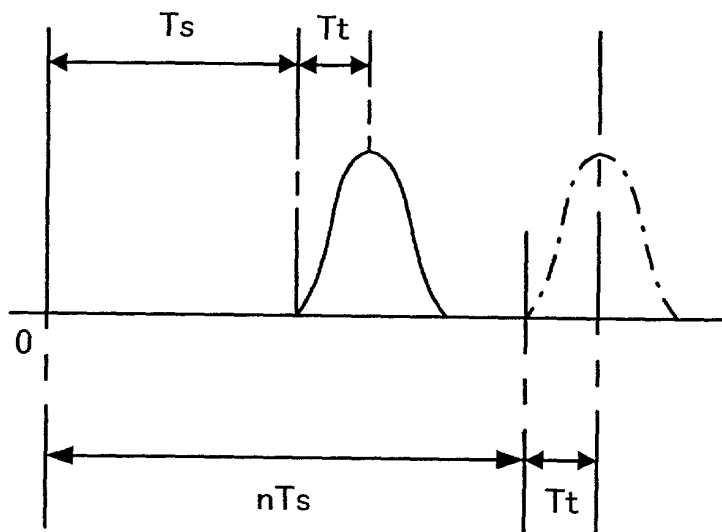


FIG. 3A

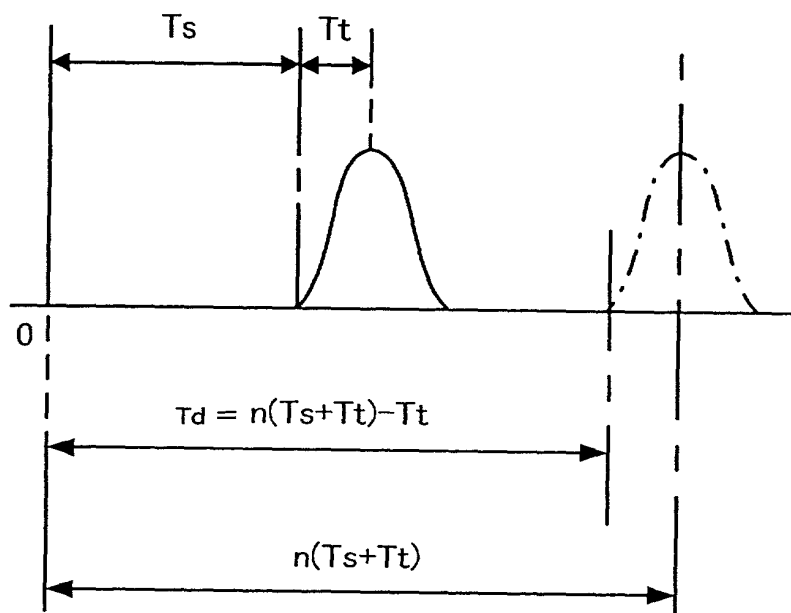


FIG. 3B

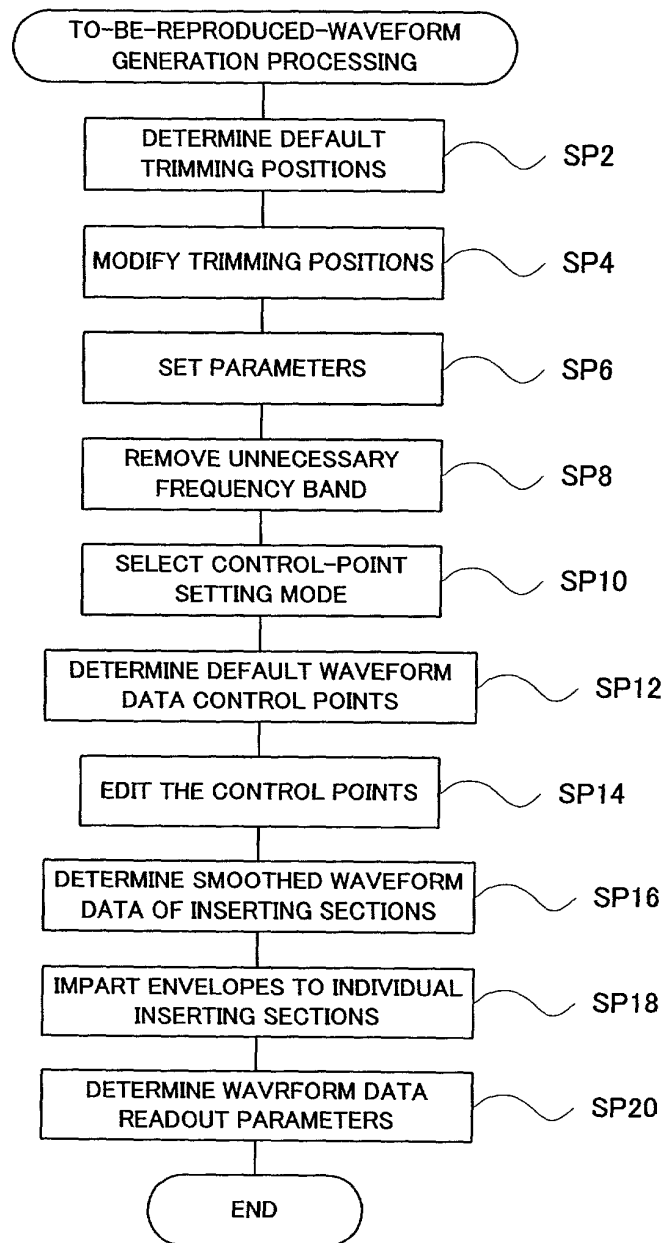


FIG. 4

INPUT SIGNAL

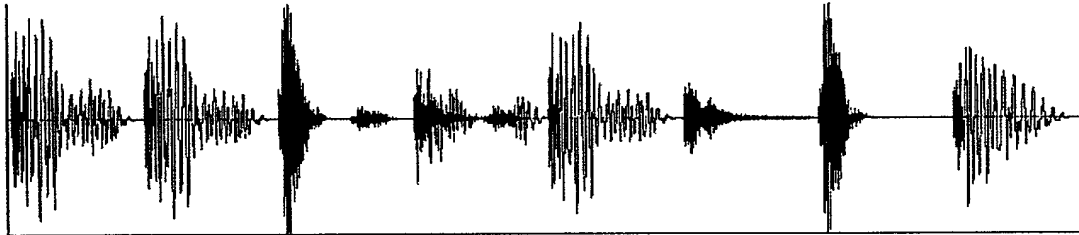


FIG. 5 A

RESULT OF UNNECESSARY FREQUENCY BAND REMOVAL

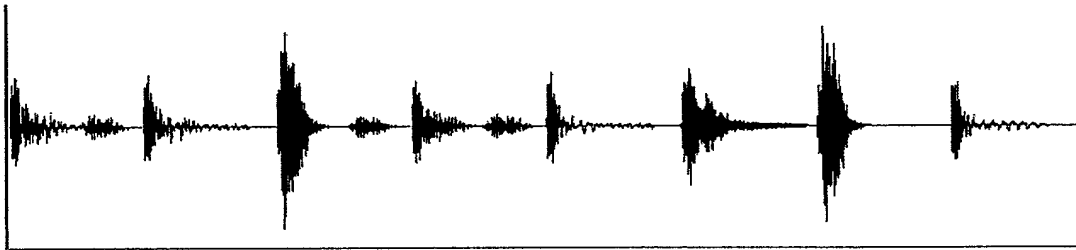


FIG. 5 B

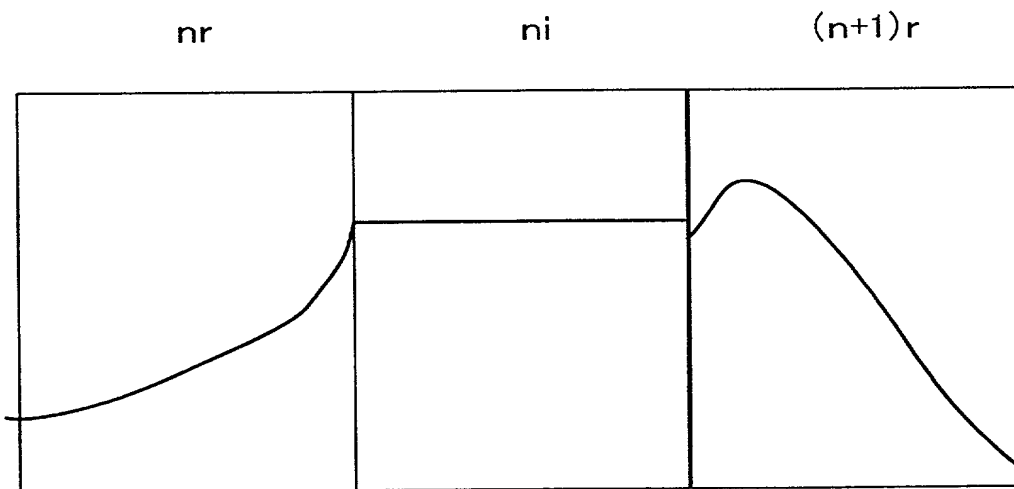


FIG. 15

2019051603 0467500

(CONTROL POINTS STEP SP12)

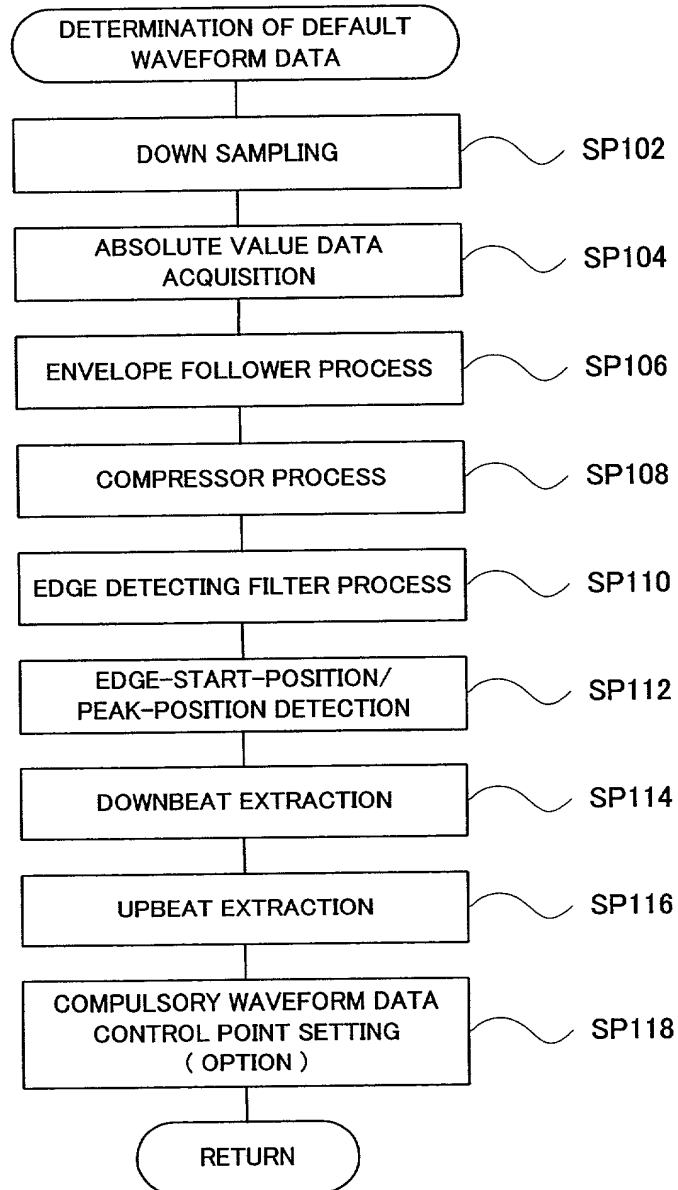


FIG. 6

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ABSOLUTE VALUE



FIG. 7A

RESULT OF ENVELOPE FOLLOWER PROCESS



FIG. 7B

RESULT OF LOW-PASS FILTER PROCESS



FIG. 7C

RESULT OF COMPRESSOR PROCESS

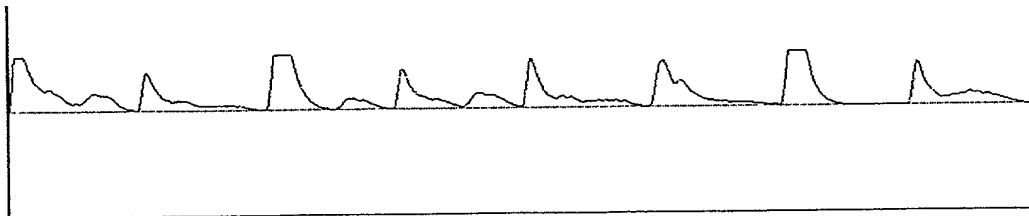


FIG. 7D

20190626

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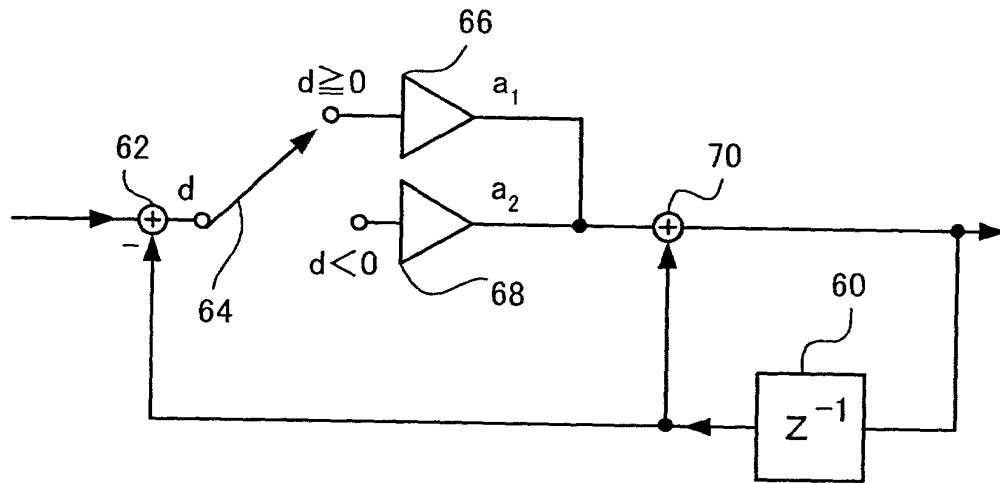


FIG. 8

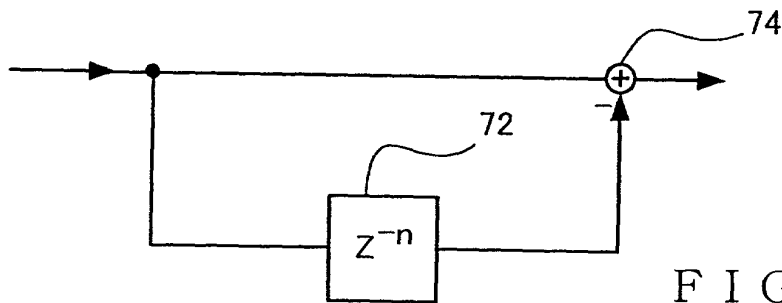


FIG. 9A

INPUT SIGNAL



DELAYED/INVERTED
SIGNAL



OUTPUT SIGNAL

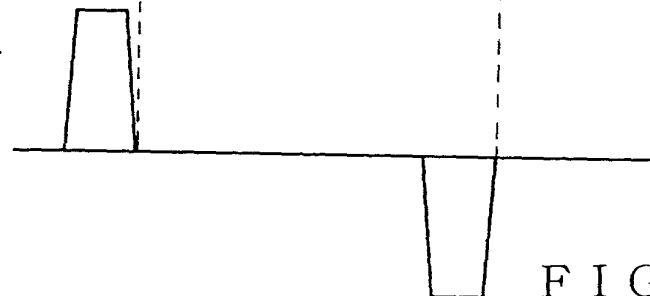


FIG. 9D

10051973.011602

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RESULT OF EDGE EXTRACTION

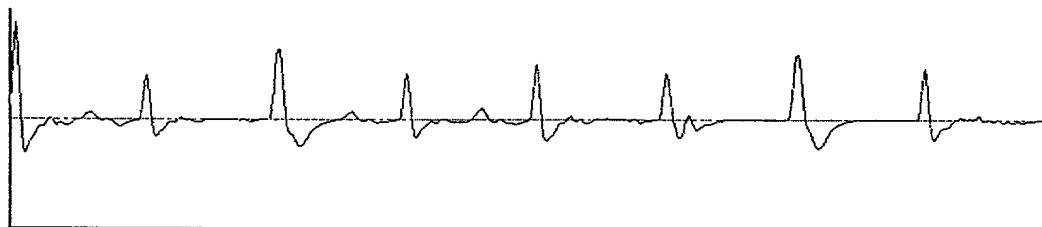


FIG. 10A

EDGE INFORMATION

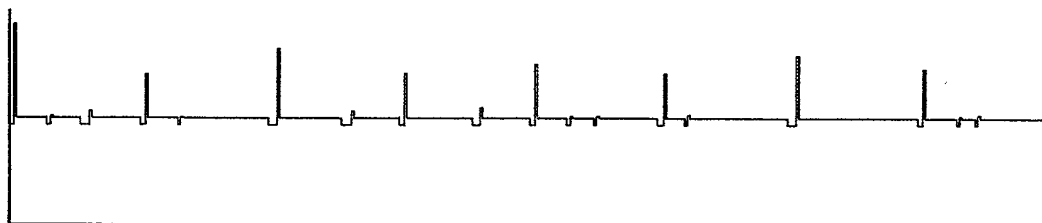


FIG. 10B

DOWNBEAT DETECTING WINDOW

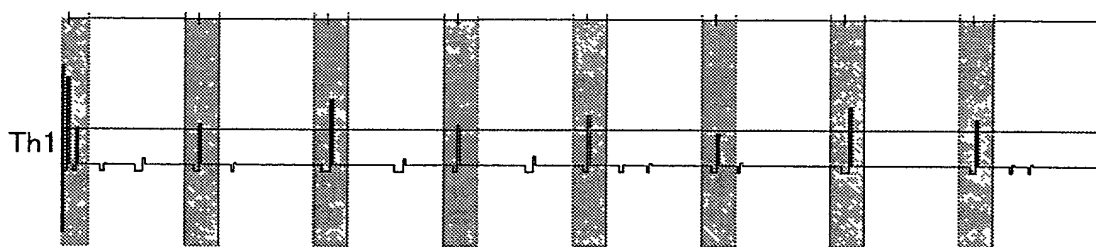


FIG. 10C

RESULT OF DOWNBEAT DETECTION

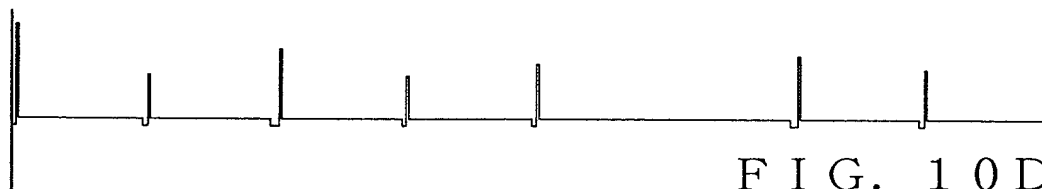


FIG. 10D

20251007 E/615001

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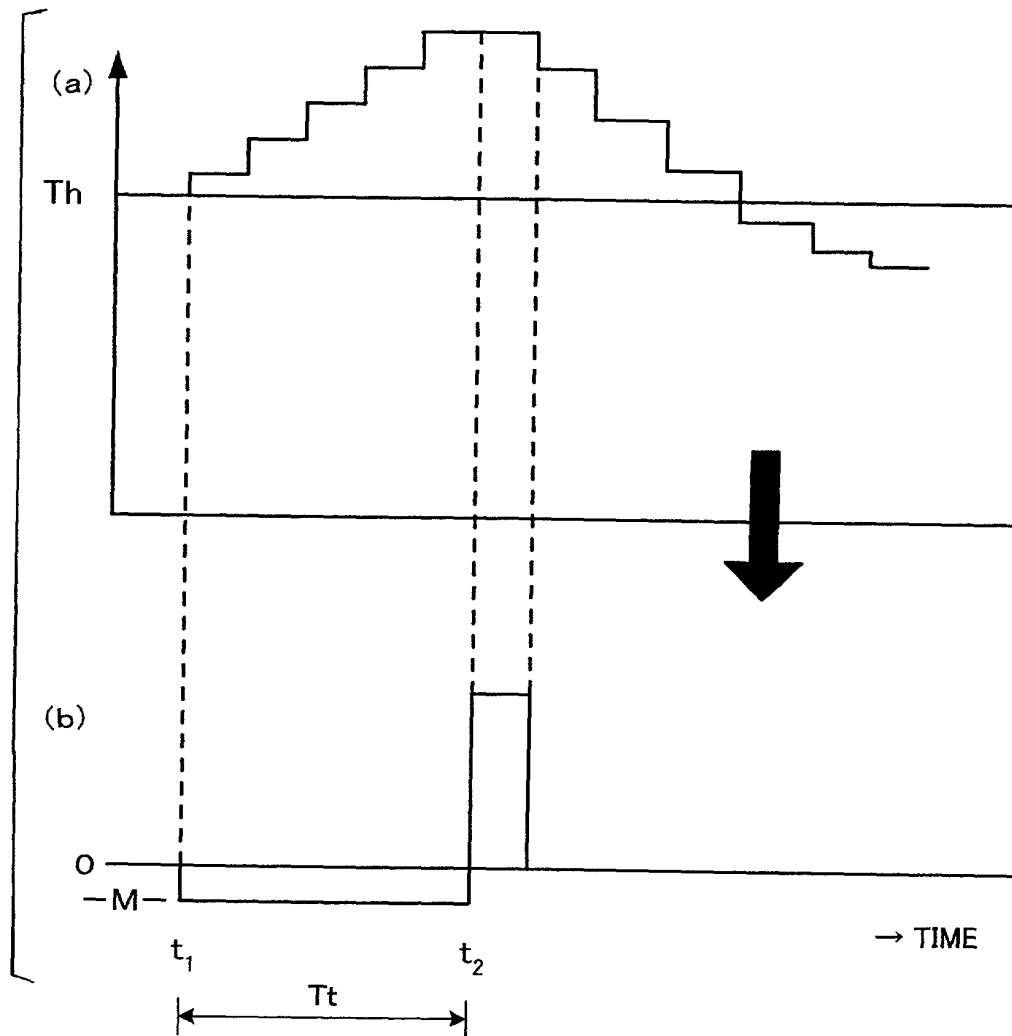


FIG. 11

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UPBEAT DETECTING WINDOW

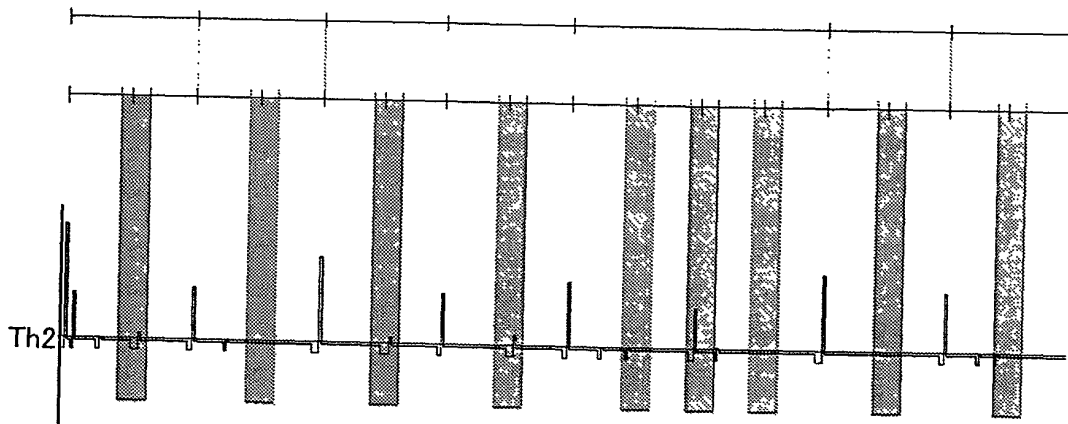


FIG. 12A

RESULT OF DOWNBEAT & UPBEAT DETECTION

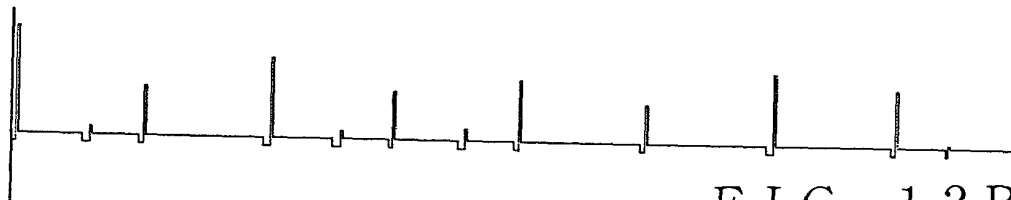


FIG. 12B

EDGE INFORMATION EXCLUDED FROM DETECTING WINDOW

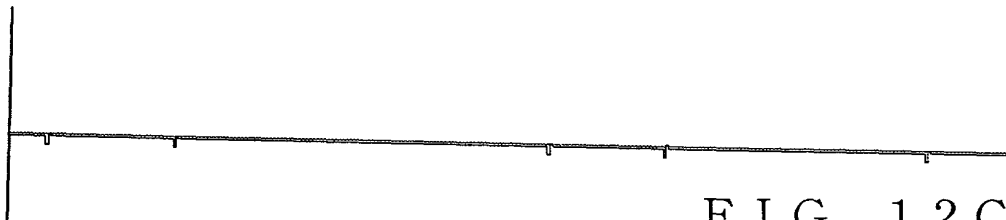


FIG. 12C

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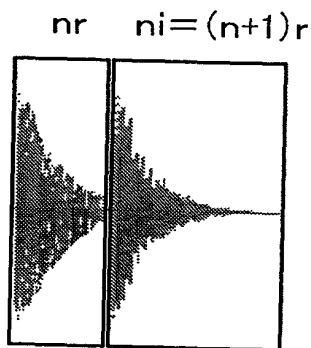


FIG. 13A

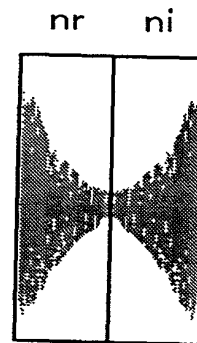


FIG. 13B

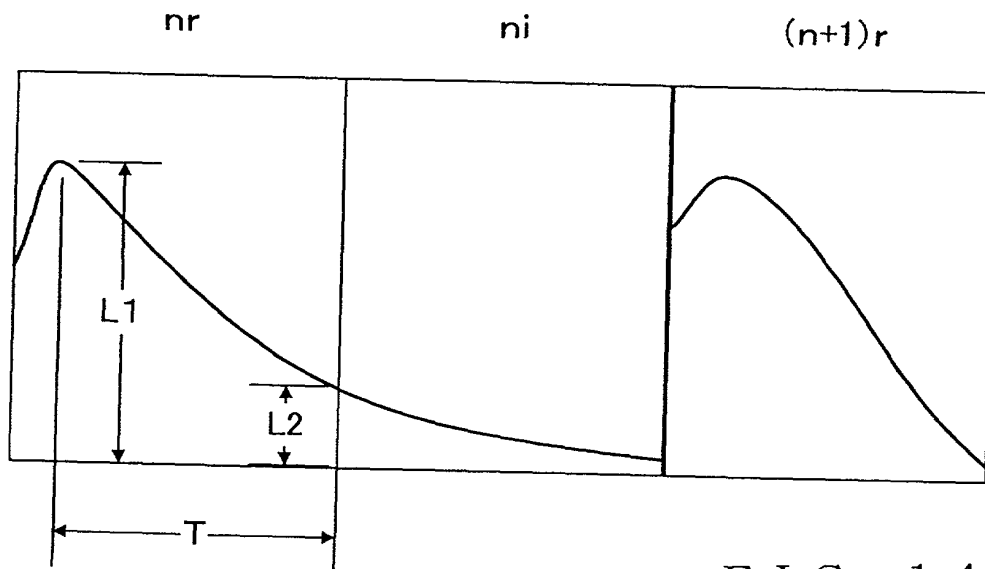


FIG. 14

20250706 10:54:59

WAVEFORM-DATA-GENERATION- START TRIGGERING CLOCK COUNT	WAVEFORM DATA	RISING TIME t_t [msec]
0	1t	0
28	2t	30
74	3t	40
:	:	:
349	11t	20
370	12t	10

FIG. 16

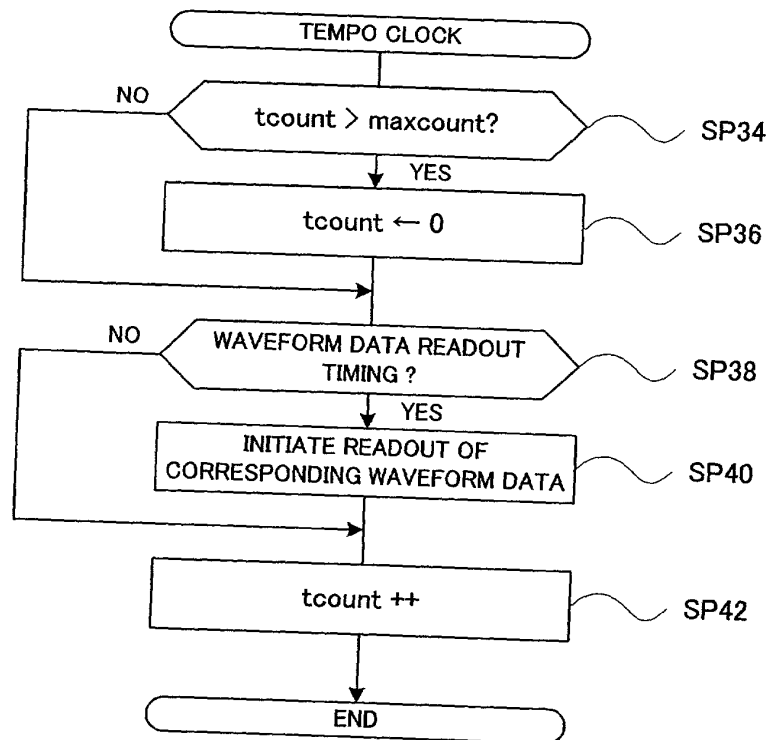


FIG. 17

20251973.011502

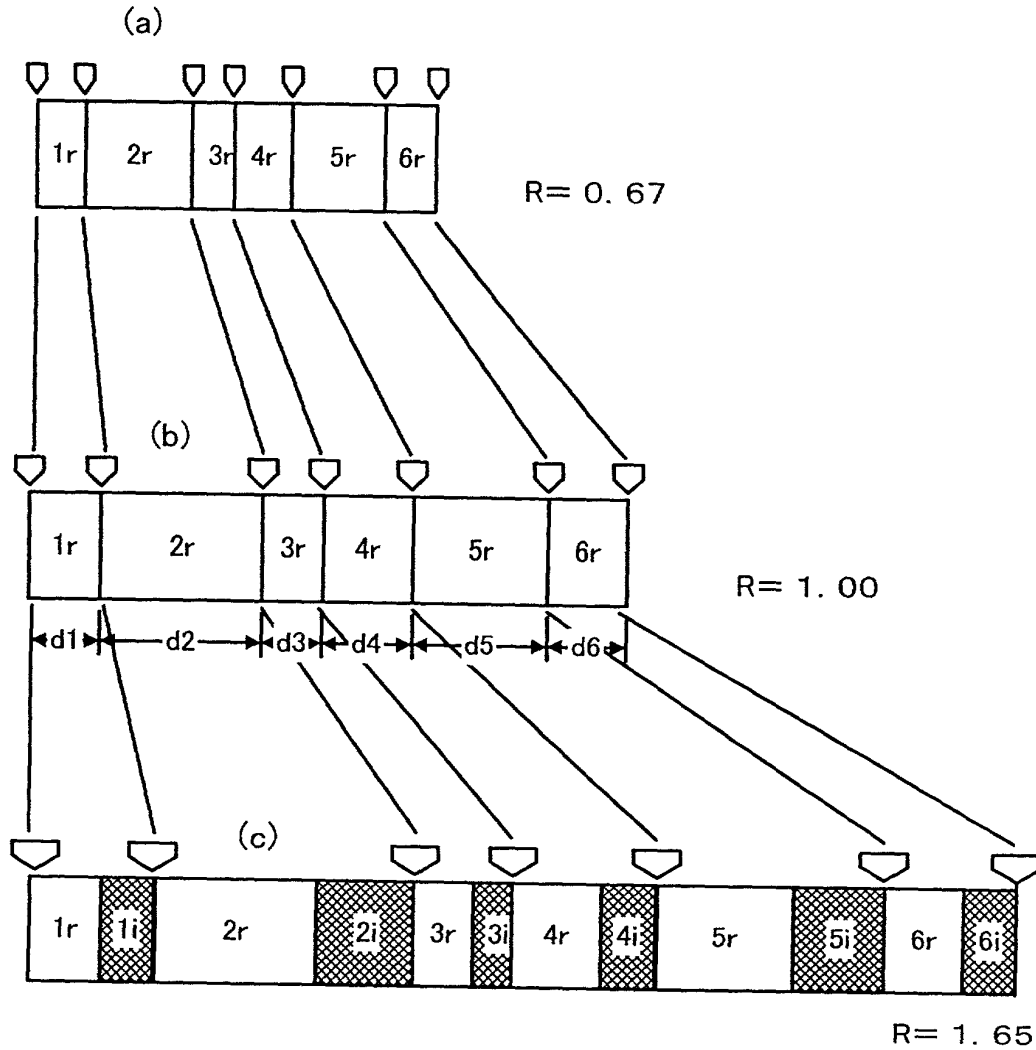


FIG. 18

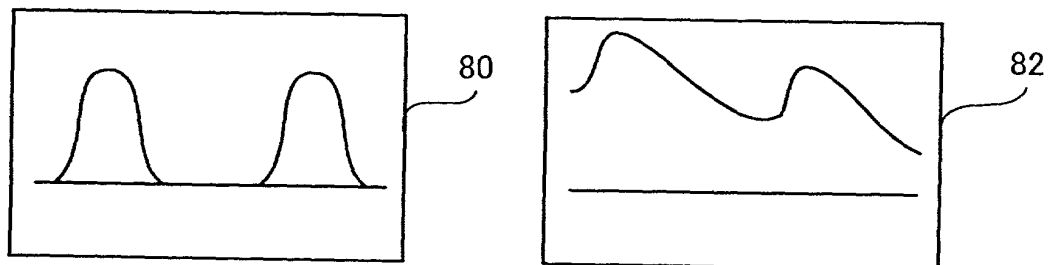


FIG. 19

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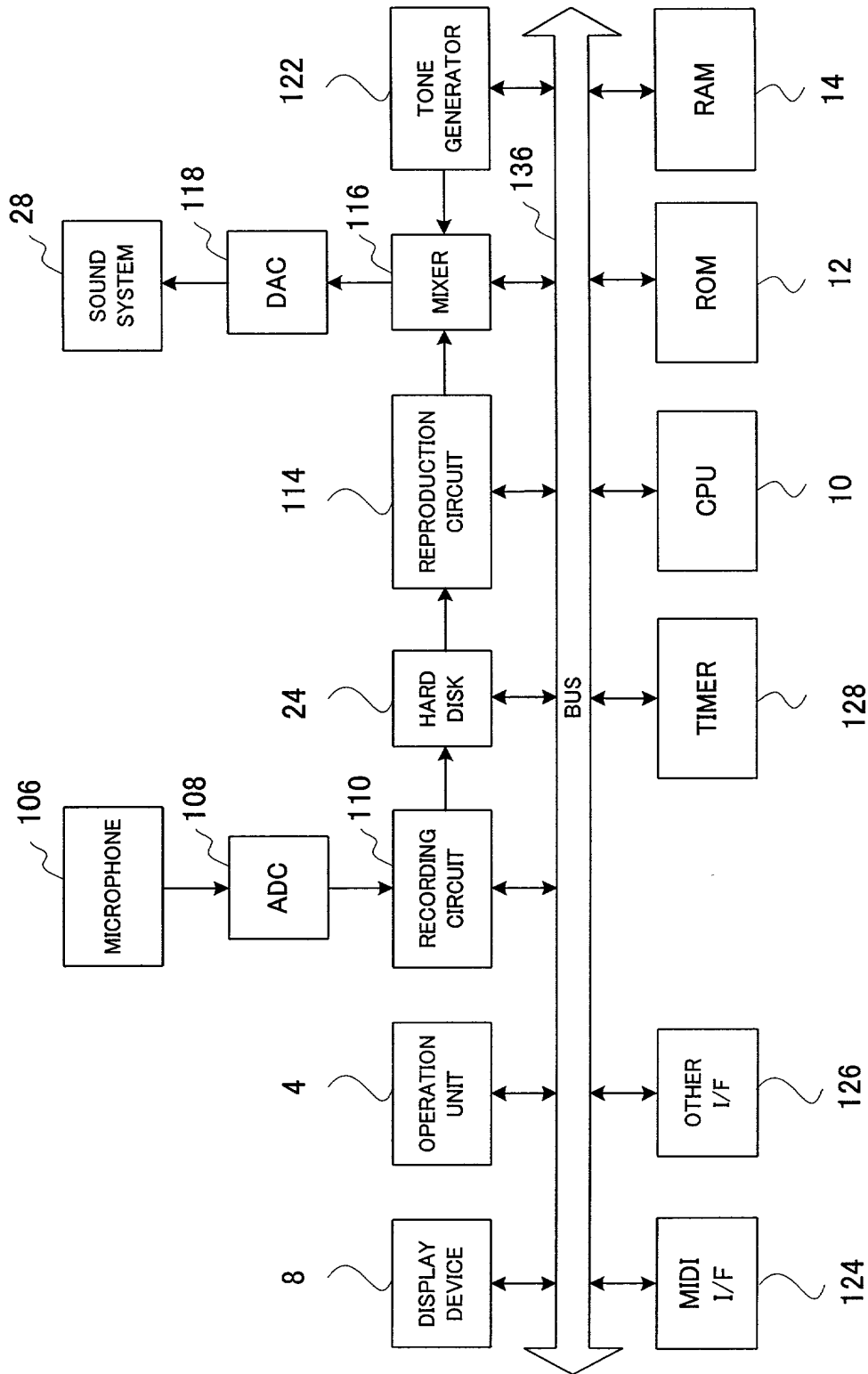


FIG. 20

20091010 E2615001

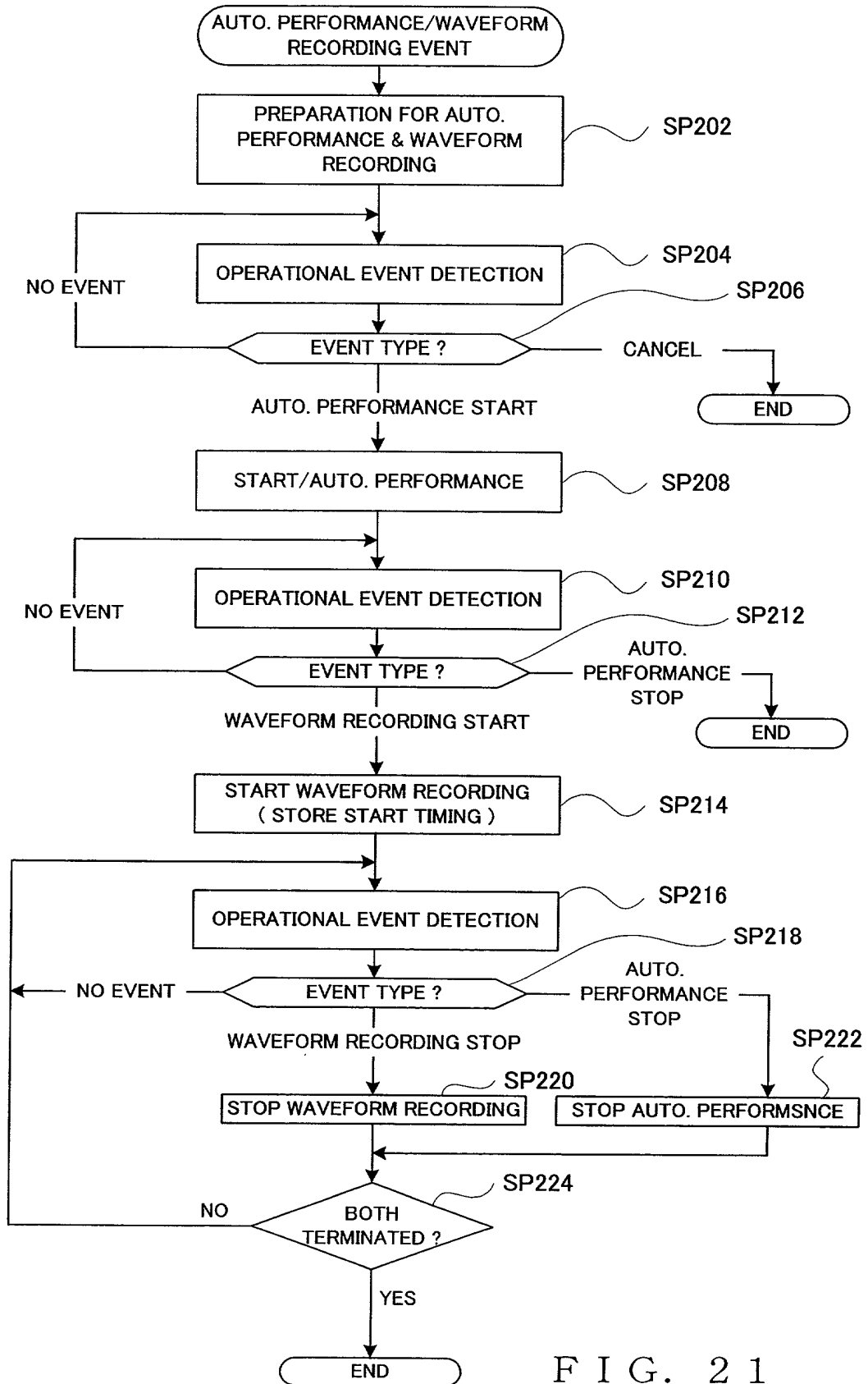


FIG. 21

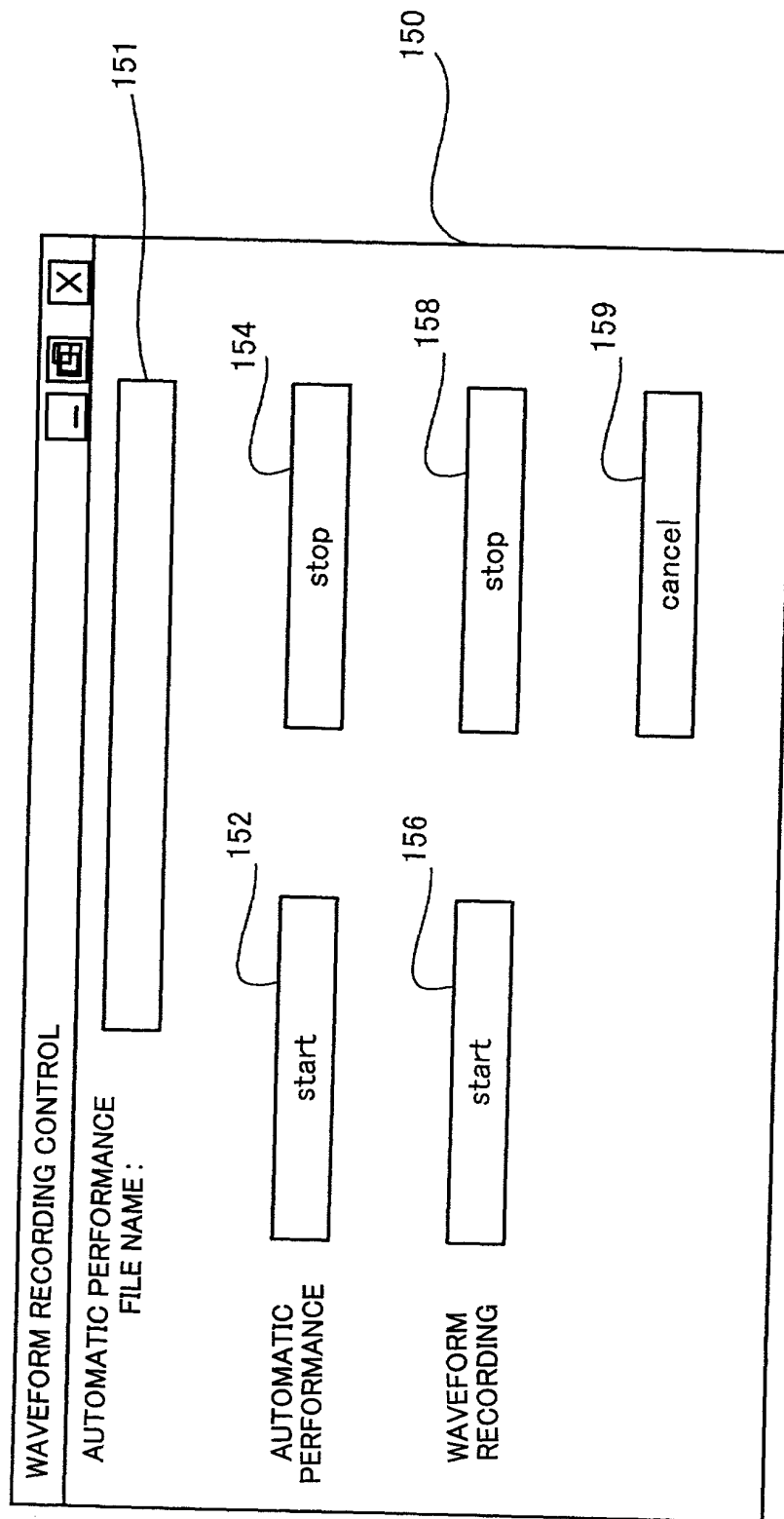


FIG. 22

AUTOMATIC PERFORMANCE DATA

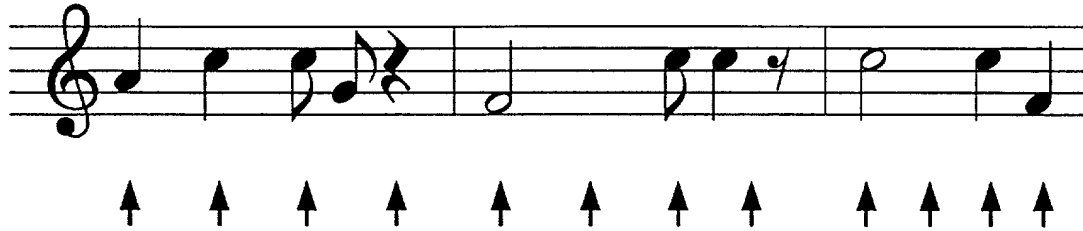


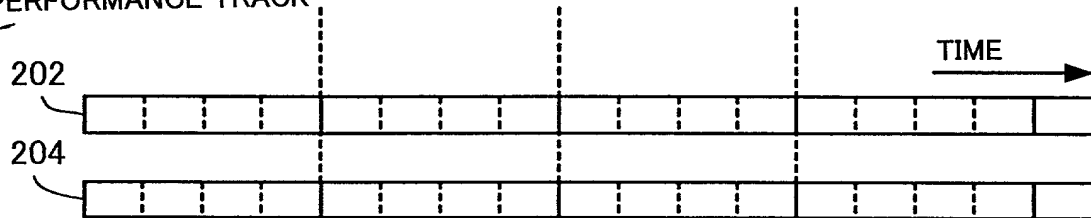
FIG. 23A

PHRASE WAVEFORM DATA

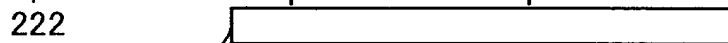
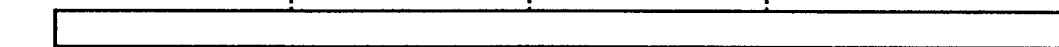


FIG. 23B

AUTOMATIC PERFORMANCE TRACK



WAVEFORM TIMING TRACK



START OF
WAVEFORM
RECORDING

AUTO. DIVISION

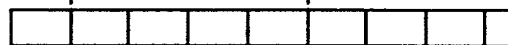


FIG. 23C

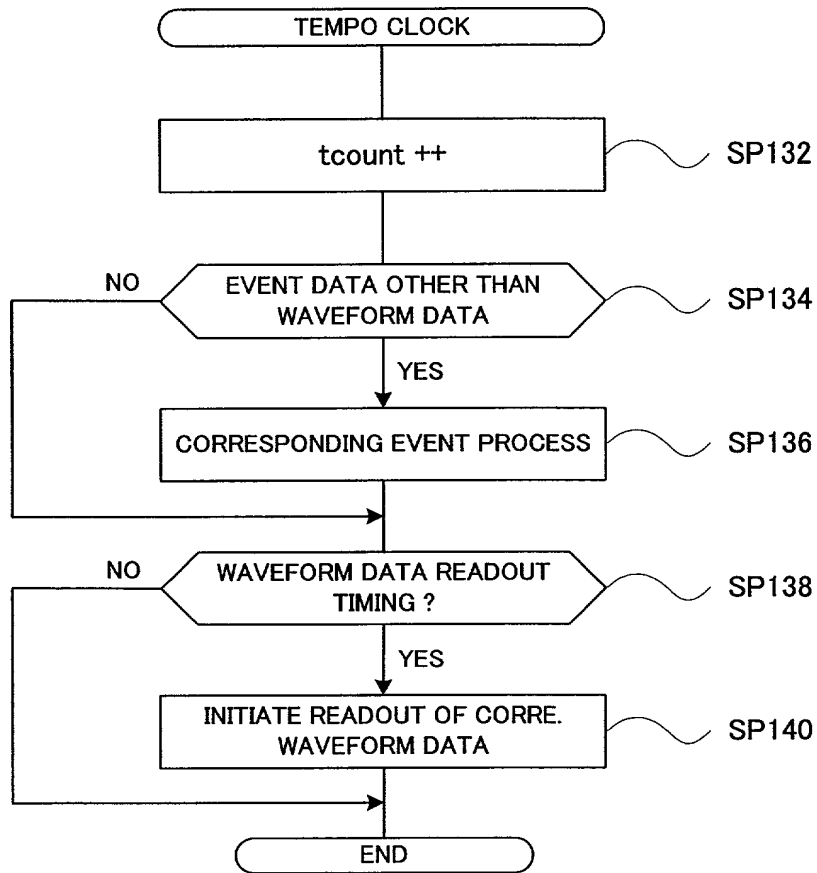


FIG. 24